PHILOSOPHY
OF
SCIENCE

VOLUME XXIX

BRUGES, BELGIUM
1962

INDEX TO VOLUME 29

ARTICLES

Abstracts *Inquiry* 103
An Objective Approach to Measurement of Behavior. JOSE DELGADO..... 253
Discussion: A Rejoinder. MARIO BUNGE . 306
Discussion: Axiology as a Science (A Rejoinder). ROBERT S. HARTMAN ... 412
Discussion: Comments on Professor Grünbaum's Remarks at the Wesleyan Meeting. MICHAEL SCRIVEN .. 171
Discussion: Comments On Professor Putnam's Comments. H. MARGENAU, E. P. WIGNER 292
Discussion: Information and Organization as the Language of the Operational Viewpoint. JEROME ROTHSTEIN 406
Discussion: Matter Still Largely Material. HERBERT FEIGL 39
Discussion: Singer's Philosophy of Experimentalism. Y. H. KRIKORIAN 81
Discussion: The Structure of Science. ADOLF GRÜNBAUM 294
Evidence and Events in History. LEON J. GOLDSTEIN 175
Marxism and the New Physics. PAUL MATTICK 350
Naming and Saying. WILFRID SELLARS .. 7
On Establishing Necessary Human Abilities and Disabilities. V. J. MCGILL 393
On Teaching Marxist Epistemology. BARROWS DUNHAM 365
On the Seriousness of Mistakes. ISAAC LEVI 47
Peirce, Gambling and Insurance. JOSEPH S. ULLIAN 79
Perceptual Events, States, and Processes. C. MASON MYERS 285
Postulates and Meaning. EDWARD H. MADDEN, MURRAY J. KITELEY 66
Science and the Problem of Psi. KENNETH L. SHEWMAKER, CARLTON W. BERENDA 195
Some Observations on the Neglect of the Sociology of Science. HOWARD J. EHRLICH 369
Temporally-Asymmetric Principles, Parity Between Explanation and Prediction, and Mechanism versus Teleology. ADOLF GRÜNBAUM 146
The Case Against Quantum Duality. ALFRED LANDE 1
The Dematerialization of Matter. N. R. HANSON 27
The Dual Character of Marxian Social Science. DONALD CLARK HODGES .. 333
The Historical-Philosophical Basis for Uniting Social Science with Social Problem-Solving. LEONARD GOODWIN 377
The Lorentz-formulae and the Metrical Principle. HÅKEN TÖRNEBOHM 269
The Measurement of Simplicity. DONALD J. HILLMAN 225
Theories, Frameworks, and Ontology. GROVER MAXWELL 132
The Role of Teleonomy in Evolution. GRACE A. DE LAGUNA 117
Whewell and Mill on Induction. HAROLD T. WALSH 279
Whewell on Necessity. HAROLD T. WALSH 139

AUTHORS

BERENDA, CARLTON W. and SHEWMAKER, KENNETH L., Science and the Problem of Psi 195
BUNGE, MARIO, Discussion: A Rejoinder . 306
DE LAGUNA, GRACE A., The Role of Teleonomy in Evolution 117
DELGADO, JOSE, An Objective Approach to Measurement of Behavior 253
DUNHAM, BARROWS, On Teaching Marxist Epistemology 365
EHRLICH, HOWARD J., Some Observations on the Neglect of the Sociology of Science 369
FEIGL, HERBERT, Discussion: Matter Still Largely Material 39

GOLDSTEIN, LEON J., Evidence and Events in History 175
GOODWIN, LEONARD, The Historical-Philosophical Basis for Uniting Social Sciences with Social Problem-Solving 377
GRÜNBAUM, ADOLF, Discussion: The Structure of Science 294
GRÜNBAUM, ADOLF, Temporally-Asymmetric Principles, Parity Between Explanation and Prediction, and Mechanism versus Teleology 146
HANSON, NORWOOD RUSSELL, The Dematerialization of Matter 27
HARTMAN, ROBERT S., Discussion: Axiology as a Science. (A Rejoinder) 412
HILLMAN, DONALD J., The Measurement of Simplicity 225
HODGES, DONALD CLARK, The Dual Character of Marxian Social Science 333
KITELEY, MURRAY J. and MADDEN, EDWARD H., Postulates and Meaning 66
KRIKORIAN, Y. H., Discussion: Singer's Philosophy of Experimentalism 81
LANDE, ALFRED, The Case Against Quantum Duality 1
LEVI, ISAAC, On the Seriousness of Mistakes 47
MCGILL, V. J., On Establishing Necessary Human Abilities and Disabilities 393
MADDEN, EDWARD H. and KITELEY, MURRAY J., Postulates and Meaning 66
MARGENAU, H. and WIGNER, E. P., Discussion: Comments on Professor Putnam's Comments 292
MATTICK, PAUL, Marxism and the New Physics 350
MAXWELL, GROVER, Theories, Frameworks, and Ontology 132
MYERS, C. MASON, Perceptual Events, States, and Processes 285
ROTHSTEIN, JEROME, Discussion: Information and Organization as the Language of the Operational Viewpoint 406
SCRIVEN, MICHAEL, Discussion: Comments on Professor Grünbaum's Remarks at the Wesleyan Meeting.. 171
SELLARS, WILFRID, Naming and Saying.. 7
SHEWMAKER, KENNETH L. and BERENDA, CARLTON W., Science and the Problem of Psi 195
TÖRNEBOHM, HÅKEN, The Lorentz-formulae and the Metrical Principle ... 269
ULLIAN, JOSEPH S., Peirce, Gambling and Insurance 79
WALSH, HAROLD T., Whewell and Mill on Induction 279
WALSH, HAROLD T., Whewell on Necessity 139
WIGNER, E. P. and MARGENAU, H., Discussion: Comments on Professor Putnam's Comments 292

BOOK REVIEWS

ABERCROMBIE's *The Anatomy of Judgment* (Bernard Suits) 206
ADAM's *Ethical Naturalism and the Modern World-view* (Leon J. Goldstein) 204
BAGBY's *Culture and History, Prolegomena to the Comparative Study of Civilizations* (Leon J. Goldstein) 93
CARNAP and STEGMÜLLER's *Induktive Logik und Wahrscheinlichkeit* (Yehoshua Bar-Hillel) 94
Classics in Philosophy and Ethics (George W. Linden) 212
Classics in Science (Dudley Shapere)..... 326
Culture in History: Essays in Honor of Paul Radin, STANLEY DIAMOND (ed) (Leon J. Goldstein) 442
Dimensions of Mind, A Symposium, SIDNEY HOOK (ed) (Irving Sosensky) 218
Emile Durkheim, 1858-1917*; A Collection of Essays with Translations and Bibliography*, KURT WOLFF (ed) (Leon J. Goldstein) 443
Evidence and Inference, DANIEL LERNER (ed) (Leo Simons)..... 98
FÉLIX *The Modern Aspect of Mathematics* (Karl Menger) 95
HESSE's *Forces and Fields* (Edward Rosen) 434
Images of Man: The Classic Tradition in Sociological Thinking, C. WRIGHT MILLS (ed) (George Dickie)..... 220
JAFFE's *The Pragmatic Conception of Justice* (Richard F. Grabau)..... 96
KAHN's *Anaximander and the Origins of Greek Cosmology* (Jerry Stannard).. 207
KAPP's *Towards a Unified Cosmology* (V. F. Lenzen) 216

LANDE's *From Dualism to Unity in Quantum Physics* (V. F. Lenzen) 213
LIPPITT and WHITE's *Autocracy and Democracy: An Experimental Inquiry* (William J. MacKinnon) 209
MARCSON's *The Scientist in American Industry; Some Organizational Determinants in Manpower Utilization* (Kurt B. Mayer) 435
MARTIN's *The Notion of Analytic Truth* (Hilary Putnam) 318
MEDAWAR's *The Future of Man* (Edward C. Moore) 217
MINKUS' *Philosophy of the Person* (Carl Ginet) 320
MUKERJEE's *The Philosophy of Social Science* (Howard L. Parsons)..... 322
PARTINGTON's *A History of Greek Fire and Gunpowder* (Jerry Stannard) 436
Philosophy of Science (Edward C. Moore) 92
Psychological Scaling: Theory and Applications, H. GULLIKSEN and S. MESSICK (eds) (John Tucker)..... 221
Realism and the Background of Phenomenology, RODERICK M. CHISHOLM (ed) (James D. Carney) 444
REICHE's *Empedocles' Mixture, Eudoxan Astronomy and Aristotle's Connate Pneuma* (Jerry Stannard) 323
SHWAYDER's *Modes of Referring and the Problem of Universals, an Essay in Metaphysics* (Charles E. Caton) 438
SIDMAN's *Tactics of Scientific Research: Evaluating Experimental Data in Psychology* (Chester R. Wasson).... 439
SOLLEY and MURPHY's *Development of the Perceptual World* (A. G. Goldstein) 324
SUPPES' *Axiomatic Set Theory* (Azriel Levy) 99
Symbolism in Religion and Literature, ROLLO MAY (ed) (Richard F. Grabau) 98
The Astronomical Works of Thabit b. Qurra, FRANCIS J. CARMODY (ed) (Jerry Stannard) 441
The Logic of Personal Knowledge; Essays Presented to Michael Polanyi on his Seventieth Birthday, EDWARD SHILS (ed) (John Tucker)..... 328
Theoretical Studies in Social Organization of the Prison (SOCIAL SCIENCE RESEARCH COUNCIL) (George McClure) 446
WALLACE's *The Scientific Methodology of Theodoric of Freiberg* (Dudley Shapere) 101
WILSON's *The Concept of Language* (Yehoshua Bar-Hillel) 326

Printed in Belgium